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DEC 27 2004

MICRON.219A

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Katti, et al. )  
App. No. : Not yet known )  
Filed : Herewith )  
For : ANTIFERROMAGNETICALLY )  
STABILIZED PSEUDO SPIN VALVE )  
FOR MEMORY APPLICATIONS )  
Examiner : Unknown )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

United States Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202


Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventors to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventors to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone

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App. No. : Not yet  Own  
Filed : Herewith

(949) 760-0404, Customer No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use Customer No. 20,995 for all communications.

Micron Technology, Inc.

Dated: 7-3-02

By:   
Michael L. Lynch

Title: Chief Patent Counsel

Address: 8000 South Federal Way  
P.O. Box 6  
Boise, Idaho 83707-0006

MSO-3060.DOC:nfa  
061702

**COPY**  
**NOT FOR**  
**Recordation**  
**ASSIGNMENT**

Application No.: Unknown  
Filing Date: Herewith

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Page 1

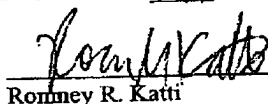
WHEREAS, We, Romney R. Katti, a citizen of the United States, residing at 8638 Terraceview Lane, N. Maple Grove, Minnesota 55311; Joel A. Drewes, a United States citizen, residing at 1920 Harrison Boulevard, Boise, Idaho 83702; and Timothy J. Vogt, a United States citizen, residing at 520 Niagara Lane, Plymouth, Minnesota 55447, have invented certain new and useful improvements in an ANTIFERROMAGNETICALLY STABILIZED PSEUDO SPIN VALVE FOR MEMORY APPLICATIONS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Micron Technology, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 14th day of May, 2002.

  
Romney R. Katti


STATE OF Minnesota }  
COUNTY OF Hennepin } ss.

On 14th day of May, 2002, before me, Romney R. Katti, personally appeared Romney R. Katti personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Notary Signature

Application No.: Unknown  
Filing Date: Herewith

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Client Code: MICRON.219A  
Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 04 day of April, 2002.

Joel A. Drewes  
Joel A. Drewes

STATE OF Idaho

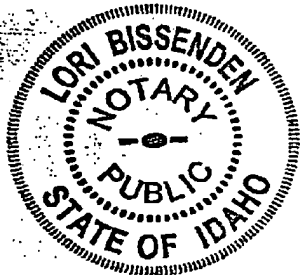
COUNTY OF Ada

ss.

On 4<sup>th</sup> April, 2002, before me, Lori Bissenden, personally appeared Joel A. Drewes personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Lori Bissenden  
Notary Signature

Application No.: Unknown  
Filing Date: Herewith

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Client Code: MICRON.219A  
Page 3

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Timothy J. Vogt

STATE OF

COUNTY OF

1  
ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Timothy J. Vogt personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

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032002

Application No.: Unknown  
Filing Date: Herewith

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Page 1

## ASSIGNMENT

WHEREAS, We, Romney R. Katti, a citizen of the United States, residing at 8638 Terraceview Lane, N. Maple Grove, Minnesota 55311; Joel A. Drewes, a United States citizen, residing at 1920 Harrison Boulevard, Boise, Idaho 83702; and Timothy J. Vogt, a United States citizen, residing at 13915 211<sup>th</sup> Ave NW, Elk River, Minnesota 55330, have invented certain new and useful improvements in an ANTIFERROMAGNETICALLY STABILIZED PSEUDO SPIN VALVE FOR MEMORY APPLICATIONS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Micron Technology, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 8000 South Federal Way, Boise, Idaho 83707-0006, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
Romney R. Katti

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

} ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Romney R. Katti personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

\_\_\_\_\_  
Notary Signature

Application No.: Unknown  
Filing Date: Herewith

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Page 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

Joel A. Drewes

STATE OF

COUNTY OF

ss.

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared Joel A. Drewes personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

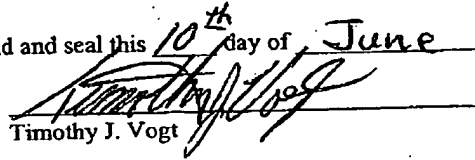
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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10<sup>th</sup> day of June, 2002.

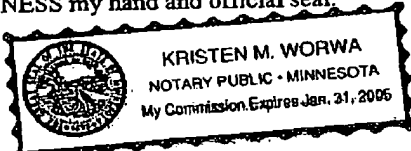
  
Timothy J. Vogt

STATE OF MN  
COUNTY OF Shocklawn ss.

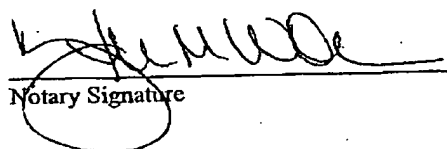
On 6/10/02, before me, Kristen M. Worwa, personally appeared Timothy J. Vogt personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



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Notary Signature



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